



VOS Pioneer

Field-support vessel

Vessel number 3478

GENERAL

Survivor Class	Group 'B' (Up to 300 survivors)
Builder	Astilleros Zamakona, Bilbao, Spain
Vessel type	Field-support vessel
Year built	2008
Port of registry	Aberdeen
Flag	United Kingdom
Call sign	2AU05
Class	Lloyd's Register +100 A1+LMC, UMS

PRINCIPAL DIMENSIONS

Length overall (LOA)	60.00 m
Beam	12.70 m
Summer draft	4.50 m
Net registered tonnage	520
Gross registered tonnage	1,734
Freeboard at rescue zone	1.75 m

MACHINERY & PROPULSION

Main propulsion number	2
Main propulsion power source	SES Diesel-Electric System
Main propulsion type	Schottel STP-550 Twin Prop Azimuths
Total propulsive power	1,600 kW
Side thrusters number	1
Side thrusters type	2 x bow electric tunnel thruster
Side thruster power source	Diesel electric propulsion system
Side thruster output power	2x 450 kW
Rudders	Azimuth propellers

PERFORMANCE

Fuel consumption at max speed	Approx. 5.5 tonnes per day @ 12.9 knots
Fuel consumption at economic speed	Approx. 3.0 tonnes per day @ 10 knots
Fuel consumption in standby mode	Approx. 1.0 tonnes per day

ADDITIONAL CAPABILITIES

Water capacity	605 m ³
Fuel capacity	555 m ³
Dispersant booms	2 x Warren Springs
Dispersant pumping system	Ayles Fernie 'Clearspray' System
Dispersant capacity	5.00 tonnes
Dispersant type	Client's supply
Deck area	250 m ²
Towing arrangements	Cruciform bollard centreline aft

ACCOMMODATION

Crew accommodation	15 cabins (8 singles + 7 doubles)
Total crew accommodation capacity	22
Number of seats (survivors)	70
Number of bunks (survivors)	20

COMMUNICATIONS EQUIPMENT

GMDSS MF radio system	Yes
GMDSS HF fixed radios	Yes
GMDSS portable radios	Yes
VHF radio1 & 2 non GMDSS	Yes
Portable VHF radios	Yes
Broadband	Yes
Satellite communications (voice & fax)	Yes
Email	Yes
Mobile phone	Yes
E.P.I.R.B.	Yes
S.A.R.T. (no. and type)	2
Hospital communications	Yes
UHF base station radio	Yes
GMDSS compliance	Yes

NAVIGATION EQUIPMENT

Radar no. 1	Yes
Radar no. 2 & 3	Yes
GPS navigator	Yes
Echo sounder	Yes
Navtex	Yes
VHF direction finder	Yes
Gyro compass	Yes
Automatic pilot	Yes
Joystick manoeuvring system	Yes

SURVIVOR RECOVERY/RESCUE EQUIPMENT

Rescue craft no 1 type	15 man - MPI1000 fast rescue DC
Davit no. 1 type	Grampian Hydraulics Scorpion Davit
Davit no. 1 safe working load (SWL)	7.5 metric tonnes
Davit no. 1 secondary lift	Electro/hydraulic
Rescue craft no. 2 type	15 man - MP Weedo 700
Davit no. 2 type	Grampian Hydraulics GD5 Davit
Davit no. 2 safe working load (SWL)	3.5 metric tonnes
Davit no. 2 secondary lift	Electro/hydraulic

ADDITIONAL RESCUE/RECOVERY FACILITIES

Mechanical recovery type	Dacon Scoop
Overside rescue zones size	Port 7m, Stbd 5m
Emergency helicopter winching area	Forward
Rescue basket	Dacon type
Searchlights	2 x Seematz
Vessel self-drenching capacity	5 litres/square metre/minute
FI1	Capacity: 2,400 m ³ /hr Reach max: 165 m

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